

AMENDMENT UNDER 37 C.F.R. § 1.114  
U.S. Appln. No.: 09/404,313  
Attorney Docket No.: Q55935

**REMARKS**

This amendment, submitted in response to the Advisory Action dated July 9, 2004 and in further response to the Final Office Action of February 23, 2004 is believed to be fully responsive to each point of objection and rejection raised therein. Accordingly, favorable reconsideration is respectfully requested. Claims 1-13 have been cancelled without disclaimer or prejudice and claims 14-34 have been added.

Applicant thanks the Examiner for indicating that claims 3, 4, 7, 10, 12 and 13 containing allowable subject matter and could be allowed if written in independent form. Claims 24, 30, 31, 32, 33 and 34 correspond to claims 7, 12, 13, 10, 3 and 4, respectively, written in independent form. These claims are now in condition for allowance.

New claims 14-23 and 25-29 are patentable. That claimed in claims 14-23 and 25-28 is neither disclosed nor suggested by Yokoyama et al., Albal et al., or Stoner et al., taken individually or in combination.

According to the invention as claimed the information portion of reception packet data used in a process of a higher layer processing portion, namely a header information portion, is written into a shared memory, and the information rewritten by the higher layer processing portion is combined with a user information portion written in a packet memory to form a transmission packet data. In other words, the lower layer processing portion and the higher layer processing portion independently access the same memory space of the shared memory in the multi-port memory to execute each process.


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This feature is not disclosed in the cited prior art references and corresponds to the features of claims 3 and 4 which claims were previously held to be allowable.

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,

  
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